

# Daily GLOWBUGS

## Digest: V1 #129

via AB4EL Web Digests @ SunSITE

**Purpose: building and operating vacuum tube-based QRP rigs**

[AB4EL Ham Radio Homepage @ SunSITE](#)

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**Subject: glowbugs V1 #129**

**glowbugs**

**Monday, October 6 1997**

**Volume 01 : Number 129**

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Date: Sun, 5 Oct 1997 14:00:43 +0000

From: janax@mail.li.icl.se

Subject: Regenerative RX article available

... on my web at <http://www.algonet.se/~janax/glowbug.htm>

It's a scan and retype of an article in the 1950 ARRL handbook and is a regenerative receiver using a 6SN7 twin triode. It differs a little from ordinary designs in having a potentiometer varying the detector plate voltage as regeneration control.

Enjoy!

Jan, SM5GNN

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Date: Sun, 5 Oct 1997 16:53:16 +0000

From: Sandy W5TVW <ebjr@worldnet.att.net>

Subject: "BA" gathering on CW...

Hello Fellow CW operators!

Summertime brought about a shift to 40 meters to 7050 khz., then some of us wandered around and used 7060 khz. Operations were plagued with Mexican SSB QRM and also lots of "digitalis" working their way down the band, closer and closer to the 7025 "Extra" barrier. Anyway, 40 has become a nightmare at night for the casual operator and ragchewer.

80 meters has again become quiet enough to use again. Soon we will be going off Daylight time, which will allow more darkness earlier, enhancing 80 meters! Drop by evenings at 0100, 0200, 0300Z on 3579.5 and blast forth

with a "CQ BA".

I hope we will be able to get the group together again this winter.....soon.  
Dust off those old rigs and get them emitting some RF!

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"  
417 Ridgewood Drive  
Metairie, LA., 70001

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Date: Sun, 5 Oct 1997 13:58:38 -0600 (MDT)

**From: Terry Dobler KJ7F <kj7f@micron.net>**

**Subject: More October Regen project**

Gang,

In my regen I am currently using a grid leak resistor from the grid to ground. In other circuits the resistor is in series with the tank to grid circuit. I know that the both work but was wondering what the advantages of each type, if any, would be? Any one have any input?

Terry KJ7F

kj7f@micron.net (Boise, Idaho) <http://netnow.micron.net/~kj7f>

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Date: Sun, 5 Oct 1997 22:00:42 +0000

**From: Sandy W5TVW <ebjr@worldnet.att.net>**

**Subject: FS: Pull-out 4CX1500B**

I have a 4CX1500B "pull out" that I'm fairly certain still has some life in it. I can not guarantee it but if someone wants to take a chance on it, I'll sell it for \$30 shipped or maybe we can trade something.

I'm presently looking for a resistor cabinet or two, like the old IRC metal resistor cabinet or a couple of the smaller Ohmite "Little Devils" cabinets.

What say ye, collectors of BA junk?

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"  
417 Ridgewood Drive  
Metairie, LA., 70001

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Date: Mon, 6 Oct 1997 00:43:21 -0400 (EDT)

**From: EricNess@aol.com**

**Subject: The Ferrite Bead Regen**

In the spirit of Regen Month, I would like to describe a neat little brocast

band regen I built using a very modern ferrite bead and some good old techniques.

For many years I have worked in the computer industry (for a place described by Forrest Gump as "Some Fruit Company") and occasionally have had access to discarded prototypes and parts. You don't find much good for RF work in that stuff but I did collect a number of ferrite beads from old monitor and SCSI cables.

This kind of ferrite bead is designed to create enough inductance on the shield of a cable to eliminate the high frequency component from the currents flowing on the shield. Since there is only one turn in this kind of inductor, the  $\mu$  of the ferrite has to be large, typically 950. In other words, the inductance per turn is extremely large.

I decided to see if one of these ferrites could be used in a regen style receiver and had some very pleasing results. I chose to build a BCB receiver since they are very easy to test. I found that it only took SIX turns to achieve the correct inductance to tune the broadcast band with a 365 pF cap. The feed back loop was a single wire through the core as was the antenna connection.

I must confess that I used a FET in the receiver I built. Feedback control was by varying the drain Voltage and a single 9 Volt battery was the power source. I found that I could separate the half Megawatt stations from the weaker ones just fine. In general, the little ferrite regen was an excellent replacement for a standard superhet receiver, at least as local reception goes. As a matter of fact, I used this simple receiver as my emergency receiver during the power outages last season as my other BCB receivers require AC power.

In the spirit of the glowbugs list, I would like to build a version of my ferrite receiver using one of those hearing aid tubes. I have one or two of them in the junk box, if I could only find them. I could probably fit it into one of those metal mint boxes if I could find one of those mica tuning condensers.

If anyone would like more details about the ferrite receiver, Please let me know and I will elaborate.

73, Eric WD6DGX

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Date: Mon, 6 Oct 1997 00:20:37 -0500 (EST)  
From: "Roberta J. Barmore" <rbarmore@indy.net>  
Subject: On the air!

Hi!

Restrung part of the G5RV (pretzel installation) and finally worked up nerve to put the ol' "Jones" 6L6 job back on the air--worked up to it with a little SS British kit on 80 (reported chirpy but it's just my old low-current power supply--not bad for a QSL-size xcvr and at least it's got no BJTs).

Warmed up the Drake 2-B and checked out 7050-7060 and parts nearby from 10-12p EST but didn't hear any familiar calls. Worked NZ5M in Lubbock, TX (977 miles, 599 both ways, the DXers will \*pse\* stop snickering) around 11pm EST and am pleased to report he was using a "big old Navy rcvr," had

a 2-C on the desk, and knew what a 6L6 was! :)

If I don't get too sleepy, I'll try to be on 40 or 80 this week. 80's  
iffy, it sort of gets into my neighbor's TV and he's a ham.... ;)

73,  
--Bobbi

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Date: Mon, 6 Oct 1997 09:27:24 -0400 (EDT)

From: [rdkeys@csemail.cropsci.ncsu.edu](mailto:rdkeys@csemail.cropsci.ncsu.edu)

Subject: Re: Hartley Weirdness --- trying to get more feedback.

>  
> Bob,  
> Just a thought.....what about the old makeshift neutralizing cap  
> type trick? An insulated wire or small plate off the grid spaced up along the  
> side of the tube?  
>  
> Eric  
>

Gee, never tried that. If you could get enough capacity out of it to  
cause oscillation, there is no logical reason why it would not work.  
Some rigs used strips of aluminum. That might have enough capacity.  
The wire would only have a couple of pf capacity, if memory serve me  
correctly.

Bob

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End of glowbugs V1 #129  
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